



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Clopay Building Products Company**  
8585 Duke Boulevard  
Mason, OH 45040

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Commercial Ribbed W6 DP38 Steel Sectional Garage Door up to 16'-2" Wide

**APPROVAL DOCUMENT:** Drawing No. 104858, titled "Commercial Ribbed Doors up to 16'2" W", sheets 1 through 3 of 3, dated 02/12/2014, with revision 01 dated 10/17/2014, prepared by Clopay Building Products Company, signed and sealed by Mark Westerfield, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



*CF*  
04/08/2015

NOA No 14-1105.02  
Expiration Date: April 16, 2020  
Approval Date: April 16, 2015  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **104858**, titled "Commercial Ribbed Doors up to 16'2" W", sheets 1 through 3 of 3, dated 02/12/2014, with revision 01 dated 10/17/2014, prepared by Clopay Building Products Company, signed and sealed by Mark Westerfield, P.E.

**B. TESTS**

1. Test reports on
  - 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 2) Large Missile Impact Test per FBC, TAS 201-94
  - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 4) Forced Entry Test, per FBC TAS 202-94
  - 5) Tensile Test per ASTM E8

Along with marked-up drawings and installation diagram of Clopay 16'-2"x 8', 24 ga. steel garage door, Model 524, prepared by American Test Lab, Inc., Test Report No. **ATLNC 0513.01-13**, dated 05/30/2013, signed and sealed by David W. Johnson, P.E.

2. Test report on Salt Spray per ASTM B117 of painted G40 galvanized painted and G90 panels, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **7890**, dated 10/01/2014, signed by Idalmis Ortega, P.E.

**C. CALCULATIONS**

1. Anchoring calculations, prepared by Clopay Building Products Company, dated 10/22/2014, signed and sealed by Mark Westerfield, P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of code conformance to 2010 FBC dated 10/31/2014, signed and sealed by Mark Westerfield, P.E.
2. Statement letter of no financial interest issued by Clopay Building Products Company, dated 10/31/2014, signed and sealed by Mark Westerfield, P.E.



04/08/2015

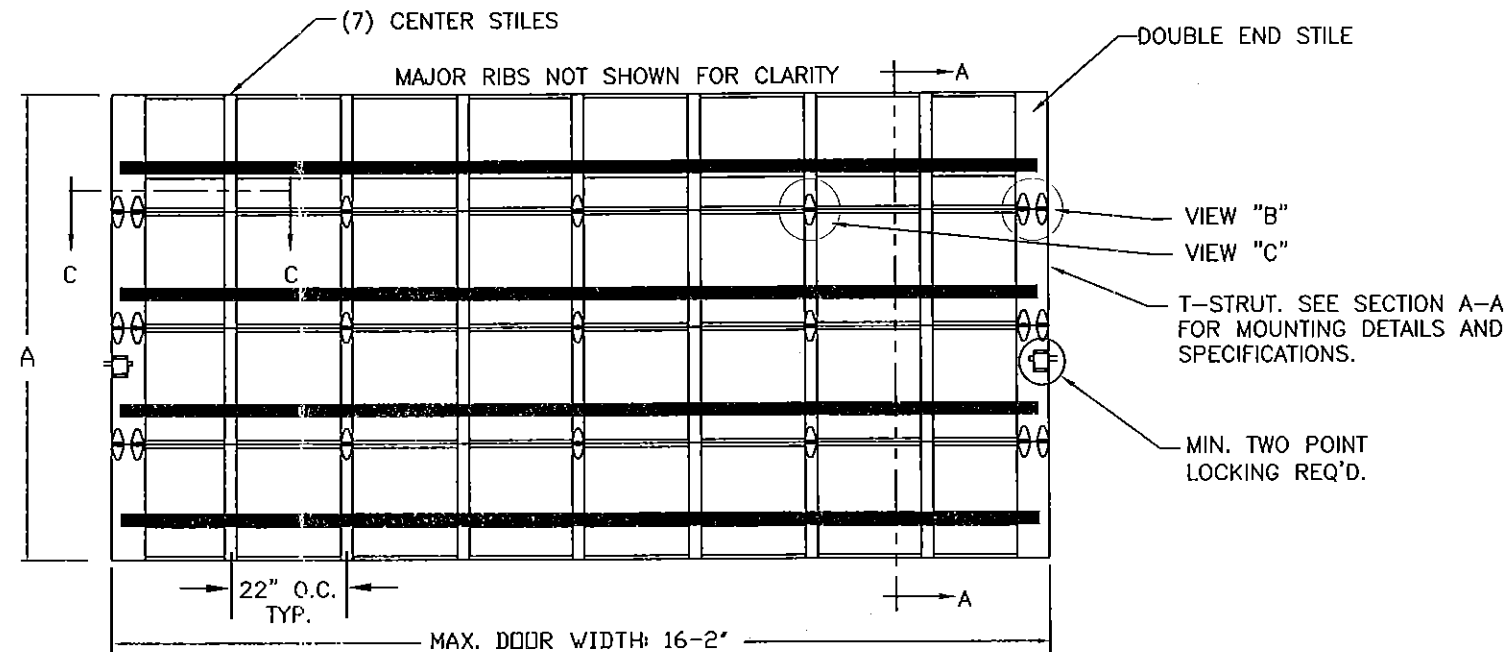
Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No 14-1105.02

Expiration Date: April 16, 2020  
Approval Date: April 16, 2015

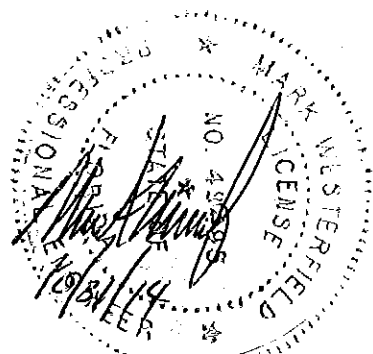
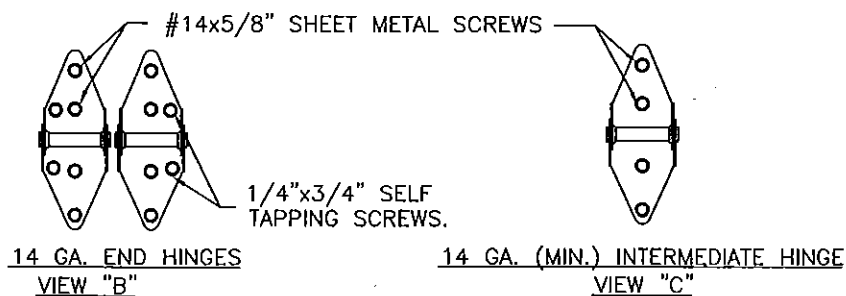
MODELS AVAILABLE (CLOPAY/ HOLMES/ IDEAL)  
524 (24 ga.), 520 (20 ga.) / 224 (24 ga.)/ C4ST (24 ga.), COST (20 ga.)

SHEET  
1 OF 3

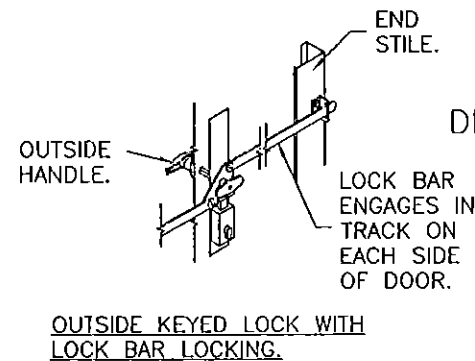
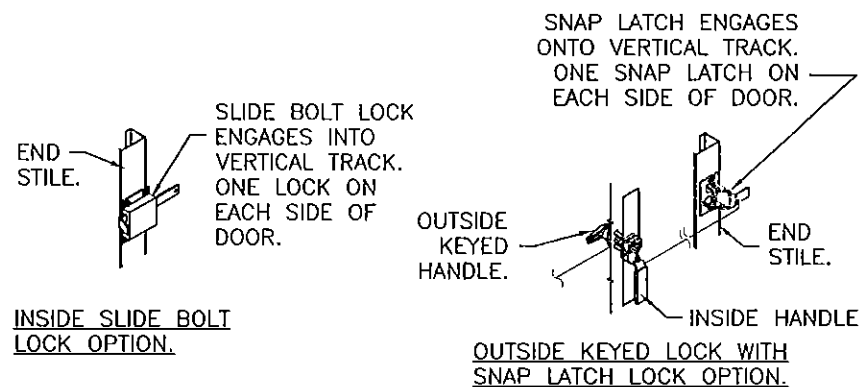
REVISIONS					
REV. NO.	ZONE	DATE	ECN NO.	APPVD:	DESCRIPTION
01	-	10/17/14	-	MWW	REVISED LAYOUT TO 3 PAGES; REPLACES DWG #10440



DOOR HEIGHT 'A'	NUMBER OF SECTIONS
UP TO 8'-0"	4
8'-3" THRU 10'-0"	5
10'-3" THRU 12'-0"	6
12'-3" THRU 14'-0"	7
14'-3" THRU 16'-0"	8
16'-3" THRU 18'-0"	9



DESIGN ENGINEER:  
MARK WESTERFIELD, P.E.  
FLORIDA P.E. #48495



DESIGN LOADS: +38.0 P.S.F. & -42.0 P.S.F.

Unless Stated Otherwise  
TOLERANCES are  
.0 = ±.031  
.00 = ±.015  
.000 = ±.005  
.0000 = ±.001  
Degrees = ±1/2°  
Unless Stated Otherwise  
DIMENSIONS ARE IN INCHES.

**Clopay**  
Building Products Company  
8585 Duke Boulevard  
Mason, OH 45040 USA  
Tel. No. 513-770-4800  
Fax No. 513-770-4853

DESCRIPTION: COMMERCIAL RIBBED DOORS UP TO 16'2\"/>

DRAWN BY: SH	DATE: 2/12/14	SCALE: NTS	DWG. SIZE B
CHECKED BY: MWW	DATE: 10/17/14	SHEET 1 OF 3	
DWG. NO.: 104858	VER: M-D		

Approved as complying with the  
Florida Building Code  
Date 04/16/2015  
NOAH 14-1105.02  
Miami Dade Product Control  
By *[Signature]*

MANUFACTURING PRODUCT CODE  
C-PAN-1E448  
PART NO.: N/A

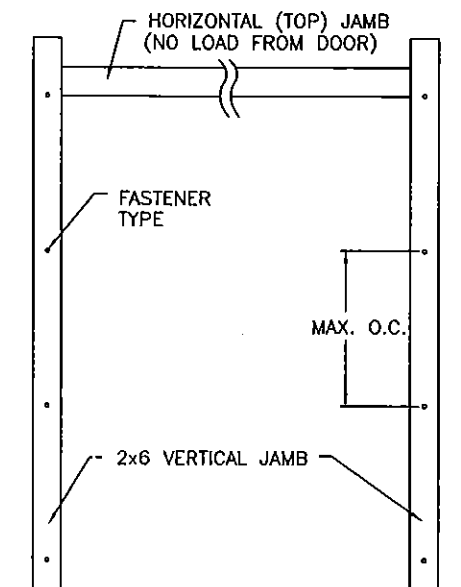
WINDLOAD RATING  
W6 DP38T

MODELS AVAILABLE (CLOPAY/ HOLMES/ IDEAL)  
524 (24 ga.), 520 (20 ga.) / 224 (24 ga.)/ C4ST (24 ga.), COST (20 ga.)

SHEET  
2 OF 3

REVISIONS

REV. NO.	ZONE	DATE	ECN NO.	APPVD	DESCRIPTION
--	-	-	-	--	SEE REVISION HISTORY ON SHEET ONE.



JAMB TO SUPPORTING STRUCTURE ATTACHMENT

NOTES:

1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SYP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
2. EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +304 LB & -336 LB. PER LINEAR FOOT OF JAMB.
3. ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
4. A 1/3 STRESS INCREASE FOR WIND LOAD WAS NOT USED IN THE CALCULATION OF ALLOWABLE LOADS FOR ANCHORS AND FASTENERS FOR STEEL, CONCRETE AND MASONRY.

NOTE: 2x6 WOOD JAMBS ARE NOT REQUIRED WITH CONTINUOUS ANGLE MOUNT TRACK. HOWEVER, IF DESIRED ON STEEL JAMBS OR CONCRETE OR BLOCK WALLS, APPROVED FASTENERS AS DETAILED BELOW SHOULD BE INCREASED IN LENGTH BY 1-1/2" AND INSTALLED DIRECTLY THROUGH THE ANGLE AND 2x6 WOOD JAMBS INTO THE STEEL JAMBS OR CONCRETE OR BLOCK WALLS. ANCHORS CAN BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE. CONTINUOUS ANGLE TRACK CAN BE ANCHORED DIRECTLY TO GROUT REINFORCED BLOCK WALL OR 3,000 PSI MIN. CONCRETE COLUMN OR STEEL JAMBS.

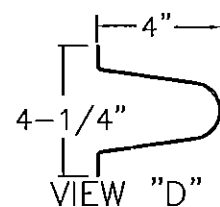
SECTIONS ARE 1-7/8" THICK  
PANELS ROLL FORMED OF .022" MIN.  
HOT DIPPED G-40 GALVANIZING,  
ROLL FORMED STEEL.  
MIN. YIELD STRENGTH 56.7 KSI

ADJUSTABLE TOP ROLLER BRACKET  
OF 12 GA. GALV. STEEL, INSTALLED  
ON DOOR WITH (4) #14 X 5/8" LG  
SHEET METAL SCREWS

ONE 4" T-STRUT PER  
SECTION. (SEE VIEW "D")  
EACH T-STRUT ATTACHED  
AT EACH STILE LOCATION  
WITH (2) 1/4"x3/4" SELF  
TAPPING SCREWS.

TONGUE & GROOVE JOINT.

END HINGE. SEE DETAILS  
AT VIEW "B" ON SHEET 1.



4" TALL TAPER STRUT.  
0.062" MIN. GALV. STEEL,  
80 KSI. MIN.

BOTTOM SECTION REINFORCED  
WITH TEMPERED ALUMINUM  
EXTRUSION WITH INTEGRAL  
RETAINER FOR FLEXIBLE VINYL  
ASTRAGAL

(2) STACKED LHR BRACKETS USED  
AS INNER BOTTOM BRACKET (NOT  
SHOWN).

BOTTOM ROLLER BRACKET OF 12 GA.  
MIN. GALV. STEEL, FASTENED WITH  
(4) #14 X 5/8" LG SHT. MTL.  
SCREWS

SECTION A-A (SIDE VIEW)

Approved as complying with the  
Florida Building Code  
Date 04/16/2015  
NOAH 12-1105.02  
Miami Dade Product Control

By

FASTENER ATTACHMENT TO SUPPORTING STRUCTURE SCHEDULES

BUILDING TYPE	FASTENER TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED?
HOLLOW BLOCK WALL	1/4" x 1-1/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	5-1/2"	1" O.D.
GROUT FILLED BLOCK WALL	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	9"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	7-3/4"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	6-3/4"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	16-1/2"	INCLUDED
4000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	24"	INCLUDED
WOOD FRAME (SYP 0.55 SG)	1/2" x 3" LAG SCREW (ASTM A307, GRADE A) 1-5/8" EMBED INTO STRUCTURE	17-3/4"	1" O.D.
14GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	7-1/2"	1" O.D.
12GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	13"	1" O.D.
1/8" STEEL	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	15-1/2"	1" O.D.

\* FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.  
CLOPAY DOES NOT SUPPLY JAMB ATTACHMENT FASTENERS.  
MINIMUM DISTANCE BETWEEN CENTER OF ANCHOR AND EDGE OF CONCRETE BLOCK: 2-1/2", EXCLUDING STUCCO THICKNESS.

DESIGN LOADS: +38.0 P.S.F. & -42.0 P.S.F.

Unless Stated Otherwise  
TOLERANCES are  
.0 = ±.031  
.00 = ±.015  
.000 = ±.005  
.0000 = ±.001  
Degrees = ±1/2°  
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DIMENSIONS ARE IN INCHES.

**Clopay**  
Building Products Company

8585 Duke Boulevard  
Mason, OH 45040 USA  
Tel. No. 513-770-4800  
Fax No. 513-770-4853

MANUFACTURING PRODUCT CODE  
C-PAN-1E448

PART NO.: N/A

WINDLOAD RATING  
W6 DP38T

DESCRIPTION: COMMERCIAL RIBBED DOORS UP TO 16'2"W

DRAWN BY: SH DATE: 2/12/14 SCALE: NTS DWG. B  
CHECKED BY: MWW DATE: 10/17/14 SHEET 2 OF 3 SIZE B

DWG. NO.: 104858 VER: M-D

DESIGN ENGINEER:  
MARK WESTERFIELD, P.E.  
FLORIDA P.E. #48495

MODELS AVAILABLE (CLOPAY/ HOLMES/ IDEAL)  
524 (24 ga.), 520 (20 ga.) / 224 (24 ga.)/ C4ST (24 ga.), COST (20 ga.)

SHEET:  
3 OF 3

REVISIONS

REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
--	-	-	-	--	SEE REVISION HISTORY ON SHEET ONE.

ANGLE MOUNT JAMB CONFIGURATION

2x6 SYP JAMB (IF PRESENT;  
SEE JAMB NOTES ON SHEET 2).

VERTICAL TRACK TO BE  
CONTINUOUS OR REVERSE ANGLE.  
12 GA. TRACK CLIPS ATTACHED  
TO WALL ANGLE WITH TWO 1/4"  
RIVETS PER CLIP. TRACK CLIPS  
ARE ATTACHED TO TRACK WITH  
EITHER TWO 1/4" RIVETS OR  
ONE 1/4" BOLT AND NUT. FOR  
WOOD JAMBS: ONE 5/16" x  
1-5/8" LAG SCREW AT EACH  
TRACK CLIP LOCATION. ALSO AT  
LEAST TWO LAG SCREWS LOCATED  
ABOVE VERTICAL/HORIZONTAL  
TRACK JUNCTION.

JAMB CONFIGURATION  
DOORS UP TO 800 LBS.

BRACKET MOUNT JAMB CONFIGURATION

2x6 SYP WOOD JAMB.  
REQUIRED FOR BRACKET  
MOUNT.

2-1/2" x 12 GA GALV. STEEL  
TRACK BRACKETS FASTENED TO  
WOOD JAMBS WITH 5/8" x  
1-5/8" LAG SCREWS NOT TO  
EXCEED 14" ON-CENTER.

2" GALV. STEEL TRACK FASTENED TO  
12 GA GALV STEEL TRACK BRACKETS  
WITH EITHER (2) 1/4" DIA. RIVETS OR  
(1) 1/4" x 5/8" BOLT & NUT PER  
TRACK BRACKET.

OPTIONAL STOP MOULDING  
BY INSTALLER (TO SUIT).

16 GA x 6" x 1-7/8"  
GALV. STEEL DOUBLE END  
STILE FASTENED WITH  
TOG-L-LOC SYSTEM AT  
TOP, BOTTOM AND  
CENTER.

18 GA. x 2" x 1-7/8" x  
3/4" GALV. STEEL  
INTERMEDIATE STILE FASTENED  
TO DOOR SKIN WITH  
TOG-L-LOC SYSTEM AT TOP,  
BOTTOM AND EA.  
MAJOR RIB.

7/16" I.D. ROUND  
PUSH NUT  
FASTENER.

18 GA. GALV. STEEL CENTER HINGE  
FASTENED TO INTERMEDIATE STILE W/(4)  
EACH #14x5/8" SHEET METAL SCREWS.

14 GA. GALV. STEEL ROLLER HINGES FASTENED TO END STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS AND (2) 1/4" SELF TAPPING SCREWS PER END HINGE.

2" DIA. 7-1/2" LONG STEM, 10 BALL STEEL ROLLER WITH STEEL OR NYLON TIRE.

SECTION C-C

PREPARATION OF JAMBS BY OTHERS.

LHR BRACKET (2-1/2" x 5-3/4" x 12GA)  
ATTACHED WITH (2) 1/4" x 3/4" SELF TAPPING  
SCREWS. NOTE THAT LHR BRACKETS ARE ALSO  
USED WITH "DOUBLE END STILE" AS NOTED ON  
SHEET 2.

DOUBLE TRACK  
LOW HEADROOM OPTION  
(AVAIL. FOR BOTH 2" AND 3" TRACK)

DOUBLE HORIZONTAL  
TRACK.

JAMB CONFIGURATION  
DOORS 800 LBS AND OVER.

2x6 SYP JAMB (IF PRESENT;  
SEE JAMB NOTES ON SHEET 3).

3-1/4" x 2-7/8" MIN. x 0.080" TAPERED  
ANGLE. SEE LAG BOLT MOUNTING AT TRACK  
CONFIGURATION BELOW.

0.101" THICK 3" GALV. STEEL TRACK FASTENED  
TO TAPERED ANGLE. TRACK ATTACHED TO  
TAPERED ANGLE WITH ONE 1/4"x5/8" BOLT &  
NUT AT EACH MOUNTING SLOT.

OPTIONAL STOP MOULDING BY DOOR INSTALLER (TO SUIT).

16 GA x 6" x 1-7/8" GALV. STEEL DOUBLE END STILE FASTENED  
WITH TOG-L-LOC SYSTEM AT TOP, BOTTOM AND CENTER.

18 GA. x 2" x 1-7/8" x 3/4" GALV. STEEL INTERMEDIATE  
STILE FASTENED TO DOOR SKIN WITH TOG-L-LOC SYSTEM  
AT TOP, BOTTOM AND EACH MAJOR RIB.

7/16" I.D. ROUND  
PUSH NUT  
FASTENER.

18 GA. GALV. STEEL CENTER HINGE  
FASTENED TO SECTION W/(4) EACH  
#14x5/8" SHEET METAL SCREWS.

14 GA. GALV. STEEL ROLLER HINGES FASTENED TO END  
STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS  
AND (2) 1/4" SELF TAPPING SCREWS PER END HINGE.

SECTION C-C

PREPARATION OF JAMBS BY OTHERS.

DESIGN LOADS: +38.0 P.S.F. & -42.0 P.S.F.

Unless Stated Otherwise  
TOLERANCES are

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.00 = ±.015  
.000 = ±.005  
.0000 = ±.001  
Degrees = ±1/2°

Unless Stated Otherwise  
DIMENSIONS ARE IN INCHES.

**Clopay**  
Building Products Company

8585 Duke Boulevard  
Mason, OH 45040 USA  
Tel. No. 513-770-4800  
Fax No. 513-770-4853

DESCRIPTION: COMMERCIAL RIBBED DOORS UP TO 16'2"W

DRAWN BY: SH

DATE: 2/12/14

SCALE: NTS

DWG. B

CHECKED BY: MWW

DATE: 10/17/14

SHEET 3 OF 3

DWG. NO.: 104858

VER: M-D

MANUFACTURING PRODUCT CODE  
C-PAN-1E448

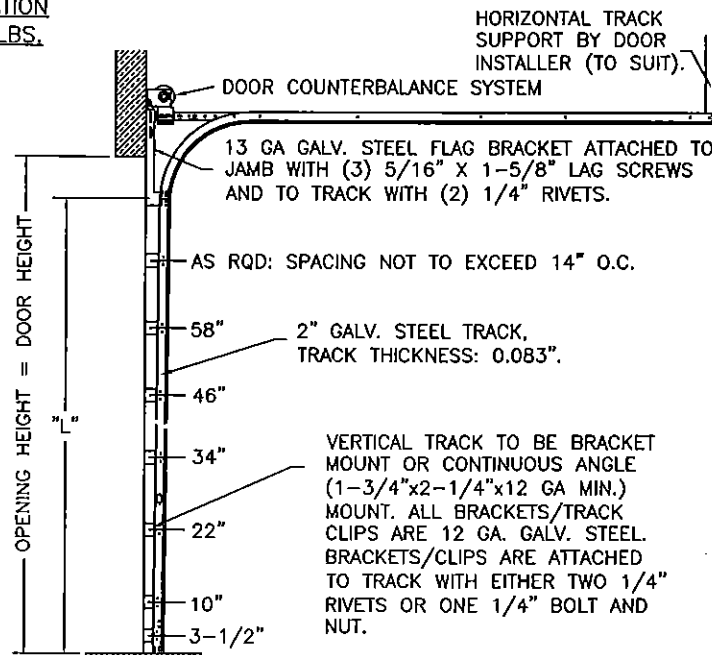
PART NO.: N/A

WINDLOAD RATING  
W6 DP38T

2" TRACK CONFIGURATION  
DOORS UP TO 800 LBS.

NOTE DOUBLE TRACK  
HEADROOM, HI-LIFT TRACK,  
FOLLOW-THE- ROOF  
TRACK, AND VERTICAL LIFT  
TRACK ARE AVAILABLE  
OPTIONS.  
TRACK CONFIGURATION  
ABOVE THE DOOR OPENING  
DOES NOT AFFECT THE  
WIND LOAD RATING.

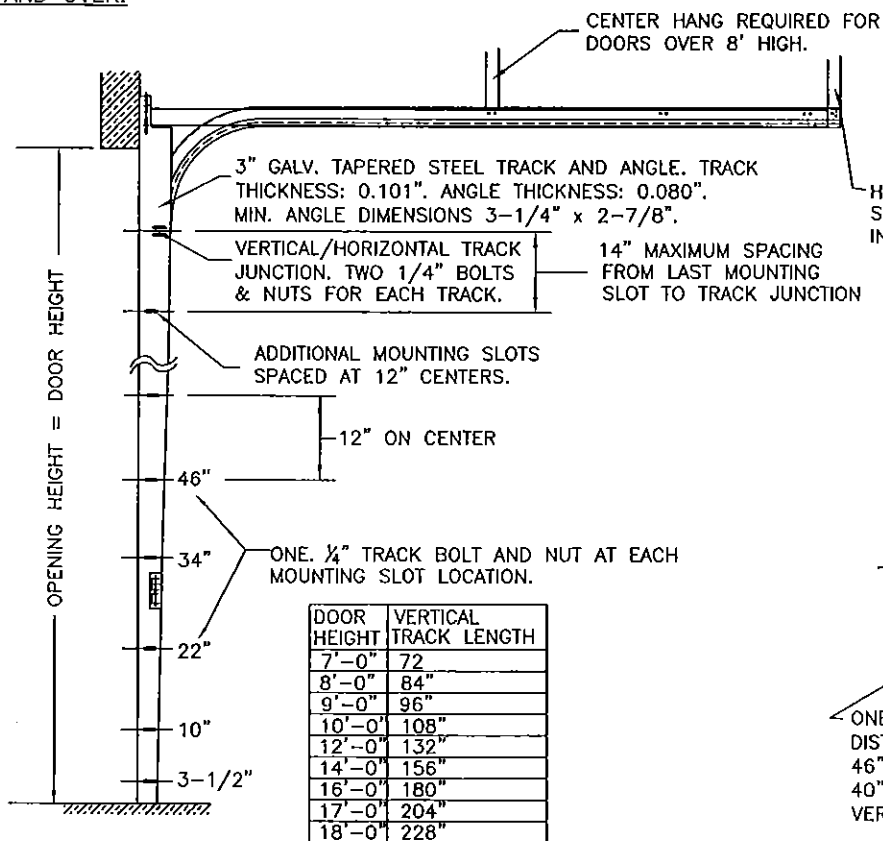
Approved as complying with the  
Florida Building Code  
Date 04/16/2015  
NOA# 14-1105.02  
Miami Dade Product Control  
By *[Signature]*



DOOR HEIGHT	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"
8'-6"	94"
9'-0"	100"
9'-6"	106"
10'-0"	112"
10'-6"	118"
11'-0"	124"
11'-6"	130"
12'-0"	136"
12'-6"	142"
13'-0"	148"
13'-6"	154"
14'-0"	160"
14'-6"	166"
15'-0"	172"
15'-6"	178"
16'-0"	184"
16'-6"	190"
17'-0"	196"
17'-6"	202"
18'-0"	208"

3" TRACK CONFIGURATION  
DOORS 800 LBS AND OVER.

NOTE DOUBLE TRACK  
HEADROOM, HI-LIFT TRACK,  
FOLLOW-THE- ROOF  
TRACK, AND VERTICAL LIFT  
TRACK ARE AVAILABLE  
OPTIONS.  
TRACK CONFIGURATION  
ABOVE THE DOOR OPENING  
DOES NOT AFFECT THE  
WIND LOAD RATING.



ONE 5/16" x 1-5/8" LAG SCREW SPACED AT THE SAME  
DISTANCES AS THE TRACK BOLTS (I.E. 3-1/2", 10", 22", 34",  
46", ETC.). ADDITIONAL LAG SCREWS LOCATED AT 16", 28", &  
40" FROM BOTTOM. TWO LAG SCREWS ALSO LOCATED ABOVE  
VERTICAL/HORIZONTAL TRACK JUNCTION.

DESIGN ENGINEER:  
MARK WESTERFIELD, P.E.  
FLORIDA P.E. #48495